AMENDMENT OF SOLICITATION/MODIFIC	ATION OF C	ONTRACT		CONTRACT ID CODE	PAG 1	E OF PAGES			
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PROJEC	·			
000001	10/15/20)12							
6. ISSUED BY CODE	KSC		7. ADN	MINISTERED BY (If other than Item 6)	CODE K	SC			
NASA/John F. Kennedy Space Center Office of Procurement MAIL CODE OP KENNEDY SPACE CENTER FL 32899			NASA/Kennedy Space Center Office of Procurement MAIL CODE OP KENNEDY SPACE CENTER FL 32899						
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and		NN 9B. 01	AMENDMENT OF SOLICITATION NO. 1K12445568R DATED (SEE ITEM 11) 19/18/2012 1. MODIFICATION OF CONTRACT/ORDER N	IO.				
CODE	EACH ITY COR		106	3. DATED <i>(SEE ITEM 13)</i>					
CODE	FACILITY COD								
				ENTS OF SOLICITATIONS ceipt of Offers					
CHECK ONE A. THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.	r already submitt I prior to the oper uired) ODIFICATION OF PURSUANT TO: CT/ORDER IS ME I IN ITEM 14, PU	red, such change may be ning hour and date specification of the specific	. IT MCCHANG	y telegram or letter, provided each telegram or DDIFIES THE CONTRACT/ORDER NO. AS DE ES SET FORTH IN ITEM 14 ARE MADE IN TO MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).	r letter make: SCRIBED IN	ITEM 14.			
D. OTHER (Specify type of modification	and authority)								
E. IMPORTANT: Contractor is not.	is required to	o sign this document and	return	copies to the issuin	g office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION of purpose of this amendment of proposals. The date for receipt of proposals.	t is to a	answer bidder	que	estions and extend the	date fo	or receipt			
Question & Answers									
1. REFERENCE: Spec. sect.	41 22 13	.14 par. s 2.	2.1	.1 through 2.2.1.2					
QUESTION: It appears the in	tent of t	the revised R	FP :	is to replace only the	main ho	pist			
brakes and not the aux. hois						-			
that could infer that both the	he main A	AND aux. hois	t b	rakes are to be replace	d. Ple	ease			
Continued									
Except as provided herein, all terms and conditions of th	e document refe	renced in Item 9A or 10A,							
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. I	NAME AND TITLE OF CONTRACTING OFFI	CER (Type o	r print)			
			Ter	rance W. Crowley					
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. l	JNITED STATES OF AMERICA		16C. DATE SIGNED			
(Signature of person authorized to sign)			—	(Signature of Contracting Officer)					

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED NNK12445568R/000001
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	clarify if ONLY the main hoist brakes are to be replaced or if both the main and aux. hoist brakes are to be replaced				
	It is the intent of the drawings and specifications to replace both main and auxiliary hoist holding brakes. This includes the removal and disposal of the brakes, providing new brakes in accordance with requirements of the revised specification and installation and testing of the brakes as needed for a complete system. 2. 2. REFERENCE: drawings 79K39174 sheets 18				
	and 20				
	QUESTION: With regard to question 1 above the drawings are inconsistent with the spec. in that they indicate the existing brakes for the main and aux. hoists are to be re-used. Please clarify				
	Reference Drawing 79K39174, Sheet 18 Please refer to the RFP NNK12445568R, page 3, item (b) Addenda to Specifications Drawings. Item (b) refers to drawing 79K39174, sheet 18, Flag Note B. The revised text of Flag Note B, and corresponding Flag Note locations correctly indicates the removal of the main and auxiliary hoist brakes.				
	Reference Drawing 79K39174, Sheet 20 To clarify this drawing regarding the replacement of the main and auxiliary hoist holding brakes revise the following: Zone H-2, Flag Note B, shall be replaced in its entirety with the following: Provide new inverter rated hoist motor, encoder and hoist holding brakes and necessary couplings. Install and connect to existing gear reducer.				
	Reference Specification 79K39175, Section 41 22 13.14, Final Submittal Rev A To clarify this specification regarding the replacement of the main and auxiliary hoist holding brakes revise the following: Paragraph 2.2.1.1, delete the third paragraph in its entirety and replace it with the following: The contractor is responsible for replacing both hoist motors and hoist brakes, modifications to the motor and brake footprints to accommodate installation of the new motors and brakes, coupling and alignment of the new motors and brakes to the hoist gear reducers. This Continued				
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 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED NNK12445568R/000001
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	includes replacing all wiring, adding control devices such as encoders, tachometers, and				
	installation and testing of new controls needed for a complete system.				
	Reference Specification 79K39175, Section 41 22 13.14, Final Submittal Rev A To clarify this				
	specification regarding the bridge brake release indication to the PES revise the following: Paragraph 2.2.1.3, delete the last paragraph in its entirety and replace it with the following:				
	The contractor shall provide a holding brake release indication for each bridge holding brake to the PES for control verification. This may include adding a proximity switch or other device to the brake actuation linkage. This must				
	indicate a physical movement of the brake linkage, not energizing the brake coil. This brake release information will be provided to the PES to assure brake release occurs correctly, to enable bridge run commands.				
	Reference Specification 79K39175, Section 41 22 13.14, Final Submittal Rev A To clarify this specification regarding the trolley brake release indication to the PES revise the following: Paragraph 2.2.1.4, delete the last paragraph in its entirety and replace it with the following:				
	The contractor shall provide a holding brake release indication for each trolley holding brake to the PES for control verification. This may include adding a proximity switch or other device to the brake actuation linkage. This must indicate a physical movement of the brake linkage, not energizing the brake coil. This brake release information will be provided to the PES to assure brake release occurs correctly, to				
	enable trolley run commands. Reference Specification 79K39175, Section 41 22 13.14, Final Submittal Rev A To clarify this specification regarding the brake release system fault indication revise the following: Paragraph 2.4.8, delete paragraph a) in its entirety and replace it with the following: a) A fault shall indicate anytime a main hoist, auxiliary hoist, bridge or trolley brake fails to release upon its				
	respective run command to insure the operator does not drive through a closed brake causing damage to that brake				